ADVANCED PROTOCOL INTELLIGENT THERMAL SENSORS MIX-5251AP/RAP/HAP

Features

- Sleek, low profile design
- Available as 135°F fixed temperature, 135°F fixed temperature with rate-of-rise detection and high temperature 190°F fixed temperature
- Dual LEDs indicate communications and activate steady when in alarm
- Low profile base provides easy interchangeability
- Low standby current
- Rotary switches for direct-dial entry of address. Each unit can have address set for 01-159 for Advanced Protocol mode and 01-99 for CLIP mode
- Superior EMI protection
- Sealed against dirt, insects, and back pressure

Description

Mircom’s low profile intelligent plug-in thermal detectors with integral communications provide features that surpass conventional detectors. Point ID capability allows each detector’s address to be set with decade address switches, providing exact detector locations. These intelligent sensors utilize a state-of-the-art thermistor sensing circuit for fast response and are designed to provide open area protection with 50 foot spacing capability.

Mircom’s Advanced Protocol (AP) devices use a high speed communication protocol that greatly increases the speed of communication between the intelligent devices. Mircom’s Advanced Protocol uses a superior group polling method as well as an interrupt feature that provide for a faster response to an alarm condition. In addition, the Advanced Protocol allows for greater system capacity with support for up to 318 devices per SLC circuit. The AP devices are backwards compatible to operate in CLIP mode for legacy system applications.

MIX-5251AP Intelligent Heat Detector, 135°F Fixed Temperature
The MIX-5251AP provides 135°F fixed temperature detection in a low profile package. This thermal detector provides cost effective, intelligent property protection in a variety of applications.

MIX-5251RAP Intelligent Heat Detector, 135°F fixed temperature with Rate-of-Rise Detection
The MIX-5251RAP provides both 135°F fixed and rate-of-rise thermal detection. This thermal detector provides cost effective, intelligent property protection in a variety of applications.

MIX-5251HAP Intelligent High Temperature Heat Detector, 190°F Fixed Temperature
The MIX-5251HAP provides 190°F (88°C) fixed temperature detection for high temperature applications.

Features

- Sleek, low profile design
- Available as 135°F fixed temperature, 135°F fixed temperature with rate-of-rise detection and high temperature 190°F fixed temperature
- Dual LEDs indicate communications and activate steady when in alarm
- Low profile base provides easy interchangeability
- Low standby current
- Rotary switches for direct-dial entry of address. Each unit can have address set for 01-159 for Advanced Protocol mode and 01-99 for CLIP mode
- Superior EMI protection
- Sealed against dirt, insects, and back pressure

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MIX-5251AP Intelligent Heat Detector, 135°F Fixed Temperature
The MIX-5251AP provides 135°F fixed temperature detection in a low profile package. This thermal detector provides cost effective, intelligent property protection in a variety of applications.

MIX-5251RAP Intelligent Heat Detector, 135°F fixed temperature with Rate-of-Rise Detection
The MIX-5251RAP provides both 135°F fixed and rate-of-rise thermal detection. This thermal detector provides cost effective, intelligent property protection in a variety of applications.

MIX-5251HAP Intelligent High Temperature Heat Detector, 190°F Fixed Temperature
The MIX-5251HAP provides 190°F (88°C) fixed temperature detection for high temperature applications.

Features

- Sleek, low profile design
- Available as 135°F fixed temperature, 135°F fixed temperature with rate-of-rise detection and high temperature 190°F fixed temperature
- Dual LEDs indicate communications and activate steady when in alarm
- Low profile base provides easy interchangeability
- Low standby current
- Rotary switches for direct-dial entry of address. Each unit can have address set for 01-159 for Advanced Protocol mode and 01-99 for CLIP mode
- Superior EMI protection
- Sealed against dirt, insects, and back pressure

Description

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MIX-5251RAP Intelligent Heat Detector, 135°F fixed temperature with Rate-of-Rise Detection
The MIX-5251RAP provides both 135°F fixed and rate-of-rise thermal detection. This thermal detector provides cost effective, intelligent property protection in a variety of applications.

MIX-5251HAP Intelligent High Temperature Heat Detector, 190°F Fixed Temperature
The MIX-5251HAP provides 190°F (88°C) fixed temperature detection for high temperature applications.

Features

- Sleek, low profile design
- Available as 135°F fixed temperature, 135°F fixed temperature with rate-of-rise detection and high temperature 190°F fixed temperature
- Dual LEDs indicate communications and activate steady when in alarm
- Low profile base provides easy interchangeability
- Low standby current
- Rotary switches for direct-dial entry of address. Each unit can have address set for 01-159 for Advanced Protocol mode and 01-99 for CLIP mode
- Superior EMI protection
- Sealed against dirt, insects, and back pressure

Description

Mircom’s low profile intelligent plug-in thermal detectors with integral communications provide features that surpass conventional detectors. Point ID capability allows each detector’s address to be set with decade address switches, providing exact detector locations. These intelligent sensors utilize a state-of-the-art thermistor sensing circuit for fast response and are designed to provide open area protection with 50 foot spacing capability.

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MIX-5251AP Intelligent Heat Detector, 135°F Fixed Temperature
The MIX-5251AP provides 135°F fixed temperature detection in a low profile package. This thermal detector provides cost effective, intelligent property protection in a variety of applications.

MIX-5251RAP Intelligent Heat Detector, 135°F fixed temperature with Rate-of-Rise Detection
The MIX-5251RAP provides both 135°F fixed and rate-of-rise thermal detection. This thermal detector provides cost effective, intelligent property protection in a variety of applications.

MIX-5251HAP Intelligent High Temperature Heat Detector, 190°F Fixed Temperature
The MIX-5251HAP provides 190°F (88°C) fixed temperature detection for high temperature applications.
Specifications

<table>
<thead>
<tr>
<th>Voltage Range</th>
<th>15 - 32 volts DC peak</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standby Current</td>
<td>300 uA @ 24 VDC (one communication every 5 sec. with LED enabled)</td>
</tr>
<tr>
<td>LED Current (max.)</td>
<td>6.5 mA @ 24 VDC (on)</td>
</tr>
<tr>
<td>Height</td>
<td>2.0 inches (51 mm)</td>
</tr>
<tr>
<td>Diameter</td>
<td>6.1 inches (155 mm) installed in B210LP Base 4.1 inches (104 mm) installed in B501 Base</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>4.8 oz. (137 g)</td>
</tr>
<tr>
<td>Operating Humidity Range</td>
<td>10% - 93% noncondensing</td>
</tr>
<tr>
<td>Thermal Ratings</td>
<td>Fixed Temperature Setpoint: 135°F (57°C)  Rate of Rise Detection: 15°F/min. (8.3°C/min.)  High Temperature: 190°F (88°C)</td>
</tr>
<tr>
<td>Operating Temperature Range</td>
<td>MIX-5251AP/MIX-5251RAP: -4°F to 100°F (-20°C to 38°C)  MIX-5251HAP: -4°F to 150°F (-20°C to 66°C)</td>
</tr>
</tbody>
</table>

Ordering Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIX-5251AP</td>
<td>Intelligent Heat Detector, 135°F Fixed Temperature</td>
</tr>
<tr>
<td>MIX-5251RAP</td>
<td>Intelligent Heat Detector, 135°F Fixed Temperature with Rate-of-Rise Detection</td>
</tr>
<tr>
<td>MIX-5251HAP</td>
<td>Intelligent High Temperature Heat Detector, 190°F Fixed Temperature</td>
</tr>
</tbody>
</table>

Bases

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>B501</td>
<td>Intelligent Flangeless Mounting Base</td>
</tr>
<tr>
<td>B210LP</td>
<td>Intelligent Flanged Mounting Base</td>
</tr>
<tr>
<td>B224RB</td>
<td>Intelligent Relay Base</td>
</tr>
<tr>
<td>B224BI</td>
<td>Intelligent Isolator Base</td>
</tr>
<tr>
<td>B200SR</td>
<td>Intelligent Standard Sounder Base (Compatible wih B501BH Series)</td>
</tr>
</tbody>
</table>

Accessories

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RA-100Z</td>
<td>Remote LED Annunciator</td>
</tr>
</tbody>
</table>

Add suffix "A" for ULC listed model.